I CLAIM:

1. A compound having the formula I

or the formula II

5 (CX₃SO₃)₂SiQ | NHZ

in which X is H or F, each Q in formula (I) may be the same or a different alkyl or aryl hydrocarbyl group with the proviso that when X is F in formula (I), Q is not methyl, and Z is an alkyl or aryl hydrocarbyl group which may be the same or different from Q.

- 2. A claim 1 compound in which each Q is an alkyl group having one to eight carbon atoms.
- 3. A claim 1 compound in which X is H and Z is a tertiary butyl group.
 - 4. The compound $(CH_3SO_3)_2Si(CH_3)_2\cdot 0.5HCl.$
 - 5. The compound $(CF_3SO_3)_2Si(CH_3)_2$ | NH(t-butyl)
 - 6. The compound $(CH_3SO_3)_2Si(CH_3)_2$ |
 NH(t-butyl).

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- 7. A method for preparing a silylated or N-silylated mono- or bis- cyclopentadienyl or indenyl compound which comprises reacting a lithiated mono or bis cylopentadienyl or indenyl compound with a claim 1 compound of Formula 1 or Formula II.
- 8. A method for preparing an N-silylated mono- or biscyclopentadienyl or indenyl compound which comprises reacting a lithiated mono- or biscyclopentadienyl or indenyl compound with a claim 6 or a claim 7 compound.
- 9. A method which comprises:
 - (i) reacting a compound including a -CH group with a compound having the formula RM in which R is any hydrocarbyl group and M is an alkali metal in a non-interfering solvent wherein a reaction mixture containing a compound having a -CM group in said solvent is produced;
 - (ii) reacting a metallocene ligand with said compound having the formula -CM produced in step (i)

wherein a reaction mixture containing an alkali metalide of said metallocene ligand is produced; and

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- (iii) reacting said alkali metalide of said metallocene ligand with a compound of Formula (I) or Formula II).
- 10 The claim 9 method wherein said step (i) compound RM is an alkyl lithium compound.
- 11. The claim 9 or claim 10 method wherein said step (iii) is performed by adding said formula (I) or formula (II) compound to said step (ii) reaction mixture.
- 12. The claim 9 or claim 10 method further comprising a step (ii)(a), wherein said alkali metalide is separated from said step (ii) reaction mixture prior to step (iii).
 - 13. The claim 9 or claim 10 method wherein said step (ii) metallocene ligand is
 - (i) a monocyclopentadienyl ligand having the formulae $C_{\epsilon}H_{\chi}R_{\nu},$ wherein:

X = 0-5

y = 0-5

R = any aryl or aromatic group and H or R can occupy any of the positions 1 to 5 of the formula



or

- (ii) a silylated monocyclopentadienyl ligand having the formulae $(R_jSi)_{\mathbb{Z}}C_xH_xR_y$, wherein $C_jH_xR_y$ is as defined in detinition 5, Z=1-5 and R and R' are identical or different alkyl or aromatic groups.
 - 14. A compound having the formula

in which R and $R^{\text{!`}}$ are the same or different alkyl or aromatic groups.

15. A claim 14 compound in which R^2 is a t-butyl group.

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